Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Activity 12-4**

1. \_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_
9. Compute all three effect sizes and show your work below.
10. \_\_\_\_\_\_\_
11. A two factor ANOVA was conducted with political party as the independent variable and perceptions of income inequality as the dependent variable. Overall, there was a significant interaction, indicating that those from different political parties differed in the degree to which they were disturbed by the income inequality in the United States, *F (\_\_\_, \_\_\_\_) = \_\_\_, p \_\_\_\_\_, MSE = \_\_\_\_\_, ηp2* = \_\_\_\_ . Two of the three political party comparisons were significantly different. Democrats were more disturbed by the income inequality than Independents, *p*  \_\_\_\_\_\_, *d* = \_\_\_\_\_\_\_. They were also more disturbed by the income inequality than Republicans, *p* \_\_\_\_\_, *d* = \_\_\_\_\_\_\_. Independents and Republicans were not significantly different, *p* \_\_\_\_\_, *d* = \_\_\_\_\_\_\_, though the medium effect size suggests that the study should be replicated with a larger sample size.
12. \_\_\_\_\_\_\_
13. \_\_\_\_\_\_\_
14. \_\_\_\_\_\_\_
15. \_\_\_\_\_\_\_
16. \_\_\_\_\_\_\_
17. \_\_\_\_\_\_\_
18. \_\_\_\_\_\_\_
19. Draw the graph below:
20. \_\_\_\_\_\_\_
21. F (\_\_\_\_, \_\_\_\_\_) = \_\_\_\_\_\_\_\_\_, *p* = \_\_\_\_\_\_, MSE = \_\_\_\_\_\_\_, *ηp2* = \_\_\_\_ .

IV 1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

F (\_\_\_\_, \_\_\_\_\_) = \_\_\_\_\_\_\_\_\_, *p* = \_\_\_\_\_\_, MSE = \_\_\_\_\_\_\_, *ηp2* = \_\_\_\_ .

IV 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

F (\_\_\_\_, \_\_\_\_\_) = \_\_\_\_\_\_\_\_\_, *p* = \_\_\_\_\_\_, MSE = \_\_\_\_\_\_\_, *ηp2* = \_\_\_\_ .

* 1. Republican M = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, SD = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  2. Democrat M = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, SD = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  3. Independent M = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, SD = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. \_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_
3. Compute all three effect sizes and show your work below.
4. Choice Group M = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, SD = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Touch Group M = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, SD = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. \_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_
3. Show your work below

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Choice* | |  | *Touch* | |  | *Political Party Main Effect* | | |
|  | *n* | *M(SD)* |  | *n* | *M(SD)* | | |  | *M(SD)* | |
| Democrat | \_\_\_\_\_ | \_\_\_\_\_\_\_ |  | \_\_\_\_ | \_\_\_\_\_\_\_ | | |  | \_\_\_\_\_\_ | |
| Republican | \_\_\_\_\_ | \_\_\_\_\_\_\_ |  | \_\_\_\_ | \_\_\_\_\_\_\_ | | |  | \_\_\_\_\_\_ | |
| Independent | \_\_\_\_\_ | \_\_\_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_\_\_ | | |  | \_\_\_\_\_\_ | |
| Choice Main Effect | | \_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_ | | |  |  | |

A two factor ANOVA was conducted with Political Party and Instructions as the independent variables and Perceptions of income inequality as the dependent variable. The interaction between Political Party and Instructions was not significant, *F* (2, \_\_\_\_\_) = .27, *p* = .76, *MSE* = .24, *ηp2* = .01. The instructions had different effects on every political party.

There was a significant main effect for Political Party *F* (2, 72) = 25.27, *p* < .001, *MSE* = .24, ηp2 = \_\_\_\_\_\_. Overall, Democrats were more disturbed by income inequality than were Republicans, *p* = \_\_\_\_\_\_\_, *d* = \_\_\_\_\_\_\_ and Independents, *p* = \_\_\_\_\_\_\_, *d* = \_\_\_\_\_\_\_\_.

Finally, there was a significant main effect for Instructions *F* (2, 72) = 21.40, *p* < .001, *MSE* =\_\_\_\_\_\_\_, *ηp2* = .23. Overall, those who were attending to choices were significantly different than those who attended to “touches”, *p* = \_\_\_\_\_\_\_, *d* = \_\_\_\_\_\_\_\_.

Main effect of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

F (\_\_\_\_, \_\_\_\_\_) = \_\_\_\_\_\_\_\_\_, *p* = \_\_\_\_\_\_, MSE = \_\_\_\_\_\_\_, *ηp2* = \_\_\_\_ .

Main effect of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

F (\_\_\_\_, \_\_\_\_\_) = \_\_\_\_\_\_\_\_\_, *p* = \_\_\_\_\_\_, MSE = \_\_\_\_\_\_\_, *ηp2* = \_\_\_\_ .

Interaction between\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

F (\_\_\_\_, \_\_\_\_\_) = \_\_\_\_\_\_\_\_\_, *p* = \_\_\_\_\_\_, MSE = \_\_\_\_\_\_\_, *ηp2* = \_\_\_\_

1. \_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_

38.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Watched Ad* | |  | *Did Not Watch Ad* | |  | *Political Party Main Effect* | | |
|  | *n* | *M(SD)* |  | *n* | *M(SD)* | | |  | *M(SD)* | |
| Democrat | 20 | \_\_\_\_\_\_\_ |  | \_\_\_\_ | 2.50 (.73) | | |  | 2.38 (.64) | |
| Independent | 20 | \_\_\_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_\_\_ | | |  | \_\_\_\_\_\_ | |
| Video Main Effect | | 2.59 (.60) |  |  | \_\_\_\_\_\_\_ | | |  |  | |

A two factor ANOVA was conducted with Political Party and Video Condition as the independent variables and attitudes towards tax cuts as the dependent variable. There was a significant interaction between Political Party and Video Condition, *F* ( 1, 76) = 6.08, *p* = .02, *MSE* = .31, *ηp2* = .07. For Democrats, those who watched the video and those who did not had \_\_\_\_\_\_\_ scores, suggesting that the video had little to no effect on attitude toward the proposed tax cut, *p* = \_\_\_\_\_\_\_, *d* = \_\_\_\_\_\_. However, the video was less effective on Independents. Independents who watched the video were more favorable toward the proposed tax cut than Independents who did not watch the video, *p* = \_\_\_\_\_\_\_, *d* = \_\_\_\_\_\_\_.

There was a significant interaction for Political Party *F* (1, 76) = 9.02, *p* = .004, *MSE* = .31, ηp2 = .11. Overall, Democrats were more supportive of the proposed tax cuts than Independents, *d* = \_\_\_\_\_\_\_\_.

Finally, there was a significant main effect for Video Condition, *F* (1, 72) = .23 *p* = .64, *MSE* = .31, *ηp2* = .003. Overall, those who watched the video were more supportive of tax cuts that those who did not watch the video, *d* = \_\_\_\_\_\_\_\_.